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U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION REPORT

**I. HEADING**

DATE: February 11, 2003

SUBJECT: **POLREP 39** Industrial Highway/Conservation Chemical Site, Gary, Lake County, IN

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**II. BACKGROUND**

CERCLA Site No: Z590  
CERCLIS ID Number: IND040888992  
Delivery Order Number: 3141-25  
Response Authority: OPA/CERCLA  
OPA ID Number: FPN#: 098022  
Account Number: 90  
NPL Status: Not on NPL  
IDEM Notification: Yes  
Start Date: Sept 1998  
Completion Date: Pending

**III. SITE INFORMATION**

A. See POLREP 1-38 for previous U.S. EPA removal actions.

**IV. RESPONSE INFORMATION**

A. Situation

1. Planned Activities:

ERRS will continue to install water pumps in the extraction wells. Installation of electrical boxes inside the well vaults will be completed.

Results for the soil bench test using fly ash and kiln dust has been received. The 15% lime kiln dust mixture was successful in reducing TCLP concentrations below 0.5mg/l for lead. The lime kiln dust will be procured from OMNI materials. Fixation of soil will begin this week.

2. Completed activities:

Monday, February 4, 2003, ERRS continued installing water pumps in the bottom of the extraction wells. Pumps were installed in extraction wells XW-3, XW-2, and XW-1. ERRS mobilized sand and built

containment berms to hold lime kiln dust. Kiln dust will be mobilized tomorrow to begin waste soil stabilization.

Tuesday, February 4, 2003, ERRS began using lime kiln dust to stabilize waste soil. START collected a sample from the treated soil stockpile and sent it to the laboratory for TCLP lead and pH analysis.

Wednesday, February 5, 2003, ERRS continued the stabilization of waste soil using lime kiln dust. U.S. EPA, ERRS, and START decided that more lime kiln dust should be used to mix the soil in order to bring the mixture to 10 to 15% lime dust.

Thursday, February 6, 2003, ERRS continued the stabilization of waste soil with lime kiln dust. ERRS completed the installation of the electrical boxes inside each of the six well vaults.

Friday, February 7, 2003, ERRS continued the stabilization of waste soil. Results for the soil sample collected on Tuesday were received. The sample failed TCLP lead with a result of 46.6 mg/L. START and ERRS decided to collect three more samples for TCLP lead analysis. One sample was collected from the same area as the sample on Tuesday, and two samples were collected from the soil mixed on Wednesday with a greater concentration of lime kiln dust. The laboratory picked up the samples and stated they would fax results to the site over the weekend.

3. Enforcement:

Refer to Action Memorandum

B. Next Steps

Lime kiln dust will continue to be utilized to chemically fixate the excavated soil which failed TCLP for lead.

Disposal at Allied Waste has been approved once fixation is completed.

Complete installation of water pumps in the remaining two extraction wells.

Install scavenger pumps in extraction wells.

Fire up the Treatment System, Shakedown and Operation.

C. Key Issues

Once the treatment systems are up and operational, U.S. EPA will operate the collection of oil for 3 years. At that time the Gary Chicago Airport will have to assess whether they will continue operation of the oil collection systems.

V. COST INFORMATION (estimated as of February 7, 2003)

A. CERCLA Funding (Conservation Chemical)

	Total Cost To Date	Ceiling
ERRS	\$ 499,340.75	\$ 690,000.00

B. OPA Funding (Industrial Highway)

	Total Cost To Date	Ceiling
ERRS	\$ 1,235,228.04	\$ 1,500,000.00
START	\$ 34,003.58	\$ 41,275.00
Total	\$ 1,269,231.62	\$ 1,541,275.00

**The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.**

VI. Waste Disposal

No waste has been disposed of as of February 7, 2003